

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,872,381 B1  
APPLICATION NO. : 10/626725  
DATED : March 29, 2005  
INVENTOR(S) : Christoph-Stephan Hilger et al.

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 32, line 28, reads "to of formula" should read -- to formula --  
Column 32, line 46, reads "alkylcarbonylanmino," should read -- alkylcarbonylamino, --  
Column 32, line 59, reads "salt thereof, and" should read -- salt thereof; and --  
Column 33, line 29, reads "position emission" should read -- positron emission --  
Column 33, line 33, reads "reseptor CCR1" should read -- receptor CCR1 --  
Column 34, line 11, reads "the reminder of" should read -- the remainder of --  
Column 34, line 14, reads "the reminder of" should read -- the remainder of --  
Column 34, line 17, reads "-C(O)-CH<sub>2</sub>N(H)" should read -- -C(O)-CH<sub>2</sub>-N(H) --  
Column 34, line 34, insert line break after "and"  
Column 34, line 47, reads "alkyl portion" should read -- alkyl portions --  
Column 34, line 59, reads "-N(R<sub>a</sub>)-C(O)-NH<sub>2</sub>-N(H)-C(O)-N(H)R<sub>b</sub>," should read  
-- -N(R<sub>a</sub>)-C(O)-NH<sub>2</sub>, -N(H)-C(O)-N(H)R<sub>b</sub>, --  
Column 35, line 5, reads "carbon atoms, and" should read -- carbon atoms; and --  
Column 35, line 19, reads "reminder of" should read -- remainder of --  
Column 35, line 21, reads "-C(O)-groups," should read -- -C(O)- groups, --  
Column 35, line 22, reads "-C(O)N(R)-groups," should read -- -C(O)N(R)- groups, --  
Column 35, line 23, reads "-N(R)-groups," should read -- -N(R)- groups, --  
Column 35, line 23, reads "-N(R)<sub>2</sub>" should read -- -N(R)<sub>2</sub>- --  
Column 35, line 30, reads "reminder of" should read -- remainder of --  
Column 35, line 32, reads "-C(O)-groups," should read -- -C(O)- groups, --  
Column 35, line 33, reads "-C(O)N(R)-groups," should read -- -C(O)N(R)- groups, --  
Column 35, line 34, reads "-N(R)-groups," should read -- -N(R)- groups, --  
Column 35, line 34, reads "-N(R)<sub>2</sub>" should read -- -N(R)<sub>2</sub>- --  
Column 35, line 41, reads "reminder of" should read -- remainder of --  
Column 35, line 43, reads "-C(O)-groups," should read -- -C(O)- groups, --  
Column 35, line 44, reads "-C(O)N(R)-groups," should read -- -C(O)N(R)- groups, --  
Column 35, line 45, reads "-N(R)-groups," should read -- -N(R)- groups, --  
Column 35, line 45, reads "-N(R)<sub>2</sub>" should read -- -N(R)<sub>2</sub>- --  
Column 35, line 47, reads "one to ton oxygen" should read -- one to ten oxygen --  
Column 35, line 47, reads "one to ton sulfur" should read -- one to ten sulfur --  
Column 36, line 1, reads "(2RS,5RS)" should read -- (2SR,5RS) --  
Column 36, line 3, reads "(2SR,5SR)" should read -- (2RS,5RS) --  
Column 36, line 5, reads "(2RS,5SR)" should read -- (2SR,5SR) --  
Column 36, line 34, reads "(2SR,5RS)" should read -- (2RS,5RS) --  
Column 36, line 36, reads "{2[(2SR,5SR)" should read -- {2-[(2SR,5RS) --

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Column 36, line 36, reads "benzyl) 2,5-" should read -- benzyl)-2,5- --  
Column 36, line 39, reads "(2RS,5RS)" should read -- (2SR,5SR) --  
Column 36, line 43, reads "benzyl)2,5-" should read -- benzyl)-2,5- --  
Column 36, line 45, reads "benzyl)]" should read -- benzyl) --  
Column 36, line 48, reads "(2SR,5RS)" should read -- (2RS,5RS) --  
Column 36, line 51, reads "(2SR,5RS)" should read -- (2SR,5SR) --  
Column 36, between lines 53 and 54, insert  
-- 1-[(2RS,5SR)-4-(4-fluoro-<sup>18</sup>F-benzyl)-2,5-dimethylpiperazin-1-yl]-2-(2-isopentylamino-4-chlorophenoxy)ethan-1-one; --  
Column 36, line 57, reads "(2SR,5RS)" should read -- (2RS,5RS) --  
Column 36, line 59, reads "(2SR,5RS)" should read -- (2SR,5SR) --  
Column 36, between lines 62 and 63, insert  
-- N-(5-chloro-2-{2-[2RS,5SR)-4-(4-fluoro-<sup>18</sup>F-benzyl)-2,5-dimethylpiperazin-1-yl]-2-oxoethoxy} phenyl)-2-methylpropanamide; --  
Column 36, line 64, reads "acetamide" should read -- acetamide; --  
Column 36, line 65, reads "(2SR,5RS)" should read -- (2RS,5RS) --  
Column 36, line 67, reads "acetamide" should read -- acetamide; --  
Column 37, line 1, reads "(2SR,5RS)" should read -- (2SR,5SR) --  
Column 37, line 3, reads "acetamide" should read -- acetamide; --  
Column 37, line 13, reads "dimethylpiperazin 1-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 37, line 15, reads "benzyl)" should read -- benzyl)- --  
Column 37, line 27, reads ""dimethylpiperazin 1-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 37, line 30, reads ""dimethylpiperazin 1-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 37, line 48, reads "{2[(2SR" should read -- {2-[(2SR --  
Column 37, line 49, reads "dimethylpiperazin-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 37, line 51, reads "{2[(2SR,5RS)" should read -- {2-[(2RS,5SR) --  
Column 37, line 52, reads "dimethylpiperazin-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 37, line 54, reads "{2[(2SR,5RS)" should read -- {2-[(2SR,5SR) --  
Column 37, line 55, reads "dimethylpiperazin-yl" should read  
-- dimethylpiperazin-1-yl --

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Column 37, line 57, reads "{2[(2SR,5RS)" should read -- {2-[(2RS,5SR) --  
Column 37, line 58, reads "dimethylpiperazin-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 37, line 59, reads "{2[(2SR,5RS)" should read -- {2-[(2SR,5RS) --  
Column 37, line 60, reads "dimethylpiperazin-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 37, line 62, reads "{2[(2SR,5RS)" should read -- {2-[(2RS,5RS) --  
Column 37, line 63, reads "dimethylpiperazin-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 37, line 65, reads "{2[(2SR,5RS)" should read -- {2-[(2SR,5SR) --  
Column 37, line 66, reads "dimethylpiperazin-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 38, line 1, reads "{2[(2SR,5RS)" should read -- {2-[(2RS,5SR) --  
Column 38, line 2, reads "dimethylpiperazin-yl" should read  
-- dimethylpiperazin-1-yl --  
Column 38, line 7, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 38, line 9, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 38, line 12, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 38, line 14, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 38, line 17, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 38, line 20, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 38, line 31, reads "(2RS,5RS)" should read -- (2SR,5SR) --  
Column 38, line 62, reads "(2RS,5SR)" should read -- (2SR,5SR) --  
Column 39, line 6, reads "{2 [(2S)" should read -- {2-[(2S) --  
Column 39, line 6, reads "-2,5-" should read -- -2- --  
Column 39, line 10, reads "(2RS,5SR)" should read -- (2SR,5SR) --  
Column 39, line 13, reads "(2RS,5SR)" should read -- (2RS,5SR) --  
Column 39, line 16, reads "(2RS,5SR)" should read -- (2SR,5SR) --  
Column 39, line 22, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 39, line 25, reads "(2SR,5RS)" should read -- (2SR,5SR) --  
Column 39, line 28, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 39, line 33, reads "(2RS,5SR)" should read -- (2SR,5SR) --  
Column 39, line 36, reads "(2RS,5SR)" should read -- (2RS,5SR) --  
Column 39, line 39, reads "(2RS,5SR)" should read -- (2SR,5SR) --  
Column 39, line 45, reads "(2RS,5SR)" should read -- (2SR,5SR) --

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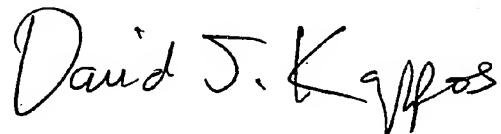
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Column 39, line 48, reads "(2RS,5SR)" should read -- (2RS,5RS) --  
Column 39, line 51, reads "(2RS,5SR)" should read -- (2SR,5RS) --  
Column 39, line 59, reads "(2SR)" should read -- (2RS) --  
Column 39, line 62, reads "(2RS,5SR)" should read -- (2SR,5SR) --  
Column 39, line 65, reads "(2SR)" should read -- (2RS) --  
Column 39, line 65, reads "(2RS,5SR)" should read -- (2RS,5RS) --  
Column 40, line 1, reads "(2RS,5SR)" should read -- (2RS,5RS) --  
Column 40, line 37, reads "(2SR,5RS)" should read -- (2RS,5RS) --  
Column 40, line 40, reads "(2SR,5RS)" should read -- (2SR,5SR) --  
Column 40, line 43, reads "(2SR,5RS)" should read -- (2RS,5SR) --  
Column 40, line 47, reads "(2R)" should read -- (2S) --  
Column 40, line 54, reads "2(2R)" should read -- 2-(2R) --  
Column 40, line 57, reads "N'(2-(mercaptoeth)" should read -- N'-(2-mercaptoeth --  
Column 40, line 61, reads "N'-(2-(mercaptoeth)" should read -- N'-(2-mercaptoeth --  
Column 40, line 65, reads "mono-and" should read -- mono- and --

Signed and Sealed this

Twenty-second Day of December, 2009

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D" and a stylized "K".

David J. Kappos  
*Director of the United States Patent and Trademark Office*